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1. A method comprising:
2 detecting motion within an imaged scene;
3 capturing a digital representation of said scene
4 in an imaging device;
5 encoding information in said digital
6 representation to indicate whether motion was detected; and
7 transmitting said digital representation from
8 said imaging device to a processor-based system over a bus.

1 2. The method of claim 1 including transmitting said
2 digital representation over a Universal Serial Bus.

1 3. The method of claim 1 wherein capturing includes
2 capturing image data representing said scene and wherein
3 encoding information in said digital representation
4 includes encoding information in place of image data.

1 4. The method of claim 3 including replacing
2 intensity information in said digital representation with
3 said motion information.

1 5. The method of claim 4 including providing a bit
2 in said digital representation to indicate whether motion
3 was detected.

1 6. The method of claim 1 including decoding said
2 digital representation and determining whether motion was
3 detected.

1 7. The method of claim 6 including controlling the
2 storage of said digital representation on the processor-
3 based system based on whether motion was detected.

1 8. The method of claim 1 wherein encoding
2 information in said digital representation includes forming
3 a plurality of packets containing image data and replacing
4 image data in one of said packets with information about
5 whether motion was detected.

1 9. An article comprising a medium storing
2 instructions that enable a processor-based system to:
3 detect motion within an imaged scene;
4 capture a digital representation of said scene in
5 an imaging device;
6 encode information in said digital representation
7 to indicate whether motion was detected; and
8 transmit said digital representation from said
9 imaging device to a processor-based system over a bus.

1 10. The article of claim 9 further storing
2 instructions that enable the processor-based system to

3 transmit said digital representation over a Universal
4 Serial Bus.

1 11. The article of claim 9 further storing
2 instructions that enable the processor-based system to
3 capture image data representing said scene and encode
4 information in said digital representation in place of
5 image data.

1 12. The article of claim 11 further storing
2 instructions that enable the processor-based system to
3 replace intensity information in said digital
4 representation with said motion information.

1 13. The article of claim 12 further storing
2 instructions that enable the processor-based system to
3 provide a bit in said digital representation to indicate
4 whether motion was detected.

1 14. The article of claim 9 further storing
2 instructions that enable the processor-based system to
3 decode said digital representation and determine whether
4 motion was detected.

1 15. The article of claim 14 further storing
2 instructions that enable the processor-based system to

3 control the storage of said digital representation on the
4 processor-based system based on whether motion was
5 detected.

1 16. The article of claim 9 further storing
2 instructions that enable the processor-based system to form
3 a plurality of packets containing image data and replace
4 image data in one of said packets with information about
5 whether motion was detected.

1 17. A digital imaging device comprising:
2 a motion detector;
3 an imaging element to capture image data
4 representing an image; and
5 a serial bus interface, coupled to said imaging
6 element and said motion detector, said serial bus interface
7 forms a plurality of packets containing said image data for
8 transmission over a bus, serial bus interface incorporates
9 information about whether motion was detected into said
10 packets containing said image data.

1 18. The device of claim 17 wherein said serial bus
2 interface is coupled to a Universal Serial Bus.

1 19. The device of claim 17 including a processor-
2 based device coupled to the bus, said motion detector,

3 serial bus interface and imaging element also coupled to
4 said bus.

1 20. The device of claim 17 wherein said serial bus
2 interface forms said image data into packets including both
3 a payload and a header.

1 21. The device of claim 20 including intensity
2 information in said packets, said intensity information
3 having a least significant bit.

1 22. The device of claim 21 including replacing said
2 least significant bit with a bit indicating whether motion
3 was detected by said motion detector.

1 23. A system comprising:
2 a digital imaging device including a motion
3 detector and a packetizer that converts image data captured
4 by said imaging device into a plurality of packets;
5 said motion detector coupled to said imaging
6 device, said image device generating motion data, said
7 packetizer packetizing said motion data;
8 a processor-based device; and
9 a bus coupling said processor-based device and
10 said imaging device.

1 24. The system of claim 23 wherein said bus is a
2 Universal Serial Bus.

1 25. The system of claim 23 wherein said packetizer
2 inserts motion data received from said motion detector into
3 packets including said image data.

1 26. The system of claim 25 wherein said packetizer
2 inserts a bit indicating whether motion was detected into a
3 packet including image data to indicate whether motion was
4 detected in that image data.